A GLIMPSE OF THE CHINESE LANGUAGE: PEKING'S LANGUAGE REFORMS AND THE TEACHING OF CHINESE IN THE UNITED STATES

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March 1965

| FOR PEDERAL SCIENTIFIC AND | | | | | | | | |
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| Hardcopy | Microfiche | | | | | | | |
| \$2.00. | 3.0.50 | 38 pp /a | | | | | | |
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A GLIMPSE OF THE CHINESE LANGUAGE: PEKING'S LANGUAGE REFORMS AND THE TEACHING OF CHINESE IN THE UNITED STATES

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INTRODUCTION

Chinese, the most widely spoken language in the world, is one of the five official languages of the United Nations; the others are English, French, Spanish and Russian. In 1958, in the National Defense Education Act, the U.S. Office of Education classified Chinese as a critical language needed by Americans. It is apparent that responsibilities of the United States for world leadership have increased faster than our educational training. It is high time that we teach in our schools the language used by 25 per cent of the world's population in order that future generations of Americans will be able to master the Chinese language, for which there will be much need in the years to come.

Chinese has been regarded as a difficult language by people of Western culture. Peking's language reforms, designed to standardize

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This paper is to be delivered at Seton Hall University, South Orange, New Jersey, during the summer of 1965.

This paper is especially written to all those scholars who may be interested in the Chinese language, who have studied the Chinese language, who teach the Chinese language, as well as those who are doing research of any kind on contemporary China that would involve the romanized Chinese terms.

and simplify spoken and written Chinese, consist of three aspects:
the simplification of Chinese characters, the use of Chinese Mandarin
as the popular language and the adoption of the phonetic alphabet to
romanize the Chinese characters. I shall try to give some ideas
about the Chinese written language first and then compare three major
systems of romanization for written Chinese. I shall also mention
the teaching of Chinese in the United States, together with opportunities
for study of the language. Finally, I attach the comparative key to
systems for romanization of Chinese, two tables of simplified Chinese
characters, an index to Chinese phonetics, a list of Chinese radicals,
and a list of the Old National Phonetic Symbols.

This paper is intended to give some information as a guide for persons who are interested in the Chinese language. It is by no means a research study but rather an informative general survey.

THE WRITTEN LANGUAGE

Chinese is one of the earliest languages in recorded form.

According to Chinese history, during the age of the emperor (Huang Direction), c. 2698 B.C.) Cang Jie was inspired by the marks of birds' claws to form the strokes of Chinese ideographs. The earliest known Chinese writings were produced about 1700 B.C. (the Shell and Bone era), as were the earliest known writings in Sanskrit. For many centuries, classical Chinese was used in the Far East much as classical Greek was used in Western culture. Like Greek, Chinese, with modifications, is still being written and spoken. Chinese, therefore, is a classical as well as a modern language.

It is likely that the early writings were pictorial. The characters suggested resemblances to actual objects: A circle represented the sun; it is now written as 🔞 . A crescent meant the moon, now written as A , Mountain as three zigzag humps over a straight , and so on. In time, more complex concepts had to be expressed and pictograms were extended or combined to form ideographs. A sun rising behind a tree formed a new character meaning . A sun drawn over a straight line representing the horizon meant "dawn" . A tree doubled formed the character for "forest" ; tripled it, it became a "dense forest" To depict the abstract concept of "brightness" the characters for sun and moon were put side by side

Chinese characters (known as the Han language, Han Zi) are used in several Asian countiles. Although the characters look and mean the same thing wherever used, their pronunciations are different.

For example, in Vietnam, many phonetic words in Vietnamese are adapted, from Chinese but are used with variations. In Korea, students learn "Hanja." In Japan, students learn "Kanji." Anyone who can read Chinese characters is therefore automatically able to read parts of the Japanese and Korean languages. This would be the "Hanja". part in Korean and the "Kanji" part of Japanese. These two languages will not be fully comprehensible because of the existence of indigenous languages which constitute a large part of the present spoken and written languages.

The K'ang Hsi Dictionary lists 47,021 characters of which only about 7,000 are in general use. Educated persons, naturally, know more characters. The system of the dictionary has 214 key characters or elements of characters, often called radicals (see Appendix D for details). The radical usually gives a hint as to the meaning of a word; e.g., many characters having to do with liquids, as "lake," "river," include the "water" radical. The remaining portion of a character may suggest its sound or may indicate its meaning. For example:

"Water" radical is included in for "river" and in for "lake."

A large percentage of the Chinese characters are a combination of two parts, the radical and the phonetic. The following characters include the same "wood" radical but have different pronunciations and different meanings, all of which have something to do with wood.

pronounced as Mu, meaning "wood";

pronounced as Shu, meaning "tree";

pronounced as Qiao, meaning "bridge" (originally wooden, of course);

pronounced as Liu, meaning "willow."

The radical may make up the right, top or lower part of the character,

Zhou, meaning "wrinkled skin" from "skin" radical (right);

. 」 Ba, meaning "hedge" from "bamboo" radical (top);

Chai, meaning "firewood" from "wood" radical (lower).

Chinese characters can also be formed inside a square to indicate enclosures, such as

瓦 Yuán, meaning "garden";

(Guo, meaning "nation";

Tú, meaning "sign."

The following characters have the same sound indicator Ba, but the tones of pronunciation and meanings are different. These are so-called Chinese homonyms.

Ba, first tone, "illness" radical, meaning "scar";

Ba, second tone, "metal" radical, meaning "to rake";

Ba, third tone "leather" radical, meaning "target" (made of leather, of course);

Ba, fourth tone "Father" radical, meaning "Dad."

However, the above example is just one illustration. In other cases, one may not get any indication of the pronunciation of a character from any part of it.

To illustrate the four tones (vocal modulations) further:

Ma, meaning "Mom," first tone (high level tone); e.g., "oh" with slight surprise. Graphically

Ma, meaning "hemp," second tone (rising tone); e.g., "oh" in question. Graphically

Ma, meaning "horse," third tone (low level tone); e.g., "oh" in doubt. Graphically

Ma, meaning "scold," fourth tone (falling tone); e.g., "oh" for emphasis. Graphically

When there are no tone marks, the tone is neutral, slurred over in a gentle way. This usually occurs in the second word of a compound expression. Therefore, one can learn musical tones through the reading of Chinese and one can learn the art of calligraphy from the Chinese writings.

Chinese characters can be extremely complex. For example, the character "thank" is written with 17 strokes: . It is variously romanized as "Hsieh," "Shieh," "Tse," "Dea," "Sye," "Sie," "Sieh," "Seay," "Zia," "Zie," "Jye," "Dere," "Der," and so on, in different transliteration systems and dialects. Pronunciations differ but the character symbol for the word is the same.

In the matter of romanization, it would be well if one system could be used for all purposes. But unfortunately it will not be possible unless and until a national system is actually widely used in China. Now, the Chinese in Mainland China have adopted and are using the Pin Yin system officially but in the United States today, the Yale system is still the most popular system for instruction in most institutions. In Formosa, the Yale system and the Wade-Giles system are still being used to teach Chinese to Westerners.

In order to standardize the popular language on the basis of Peking pronunciation (about 70 per cent of the 600 million people of Mainland China use dialects similar to that used in Peking), the Communists in 1958 adopted the Pin Yin system which replaced the Old National Phonetics orthography (for details, see Appendices C and E). The following are their objectives:

- A. To teach the phonetic alphabets and spelling in primary schools.

 Schools on other levels and organizations of the newly literate have also been instructed to push the language reforms. Education of the deaf and dumb has been facilitated. A braille code corresponding to the international setup was introduced in 1964, so that the blind could communicate by typewriter (China Reconstructs, September 1963).
- B. To teach the phonetic alphabet to adults. The educated could learn the pronunciation of rarely used characters.
- C. To popularize the phonetic alphabet in publishing and translation circles. Records and references, such as dictionaries, directories, catalogues and files are now being indexed by the Pin Yin system.

 For example, China Reconstructs, a popular magazine, has Pin Yin phonetic Chinese lessons in every issue. Many newspapers and magazines have titles in the romanized system.
- D. To use the phonetic alphabet in telegrams and other communications.

 The railway administration already has adopted the phonetic script and has reduced transmission time by one-third. Except for some universal signals, Chinese phonetic alphabets are used for signaling by flag or light at sea. All provinces have been given abbreviated

symbols; e.g., JS for Jiangsu (Kiangsu) and GD for Guangdong (Kwangtung).

- E. To popularize the phonetic alphabet for use in public places, railroad stations, bus stops, and street signs in cities. In Peking, the street sign for East Long Peace Street is written in Chinese characters ** together with the phonetic "Dong Chang an Jie."
- F. To use the phonetic alphabet to aid foreigners in learning Chinese and to aid the Chinese to have more effective communication in the world of science.
- G. To establish better cultural intercommunication among the minorities of Chuang, Miao, Yi, Tung and even Kazakhs. See N.Y. Times, 2/28/65.

*In the matter of simplification, the Communists have attained reasonable successes but they have not mastered romanization yet. Even though they have tried hard to push the language reforms, there are still problems; most people are not ready for reforms (influence of inertia). If the Pin Yin system should be successfully popularized in China, it would furnish us with an invaluable means of learning about and communicating with one-fourth of the world's population, when the international situation permits.

^{*}Guangming Ribao, April 29, 1964; May 13, 1964; May 27, 1964; October 28, 1964. Renmin Ribao, April 6, 1964; May 3, 1964; May 11, 1964.

ROMANIZATION

Romanization, phonetic alphabet or spelling, transliteration, Latinization, transcription or phoneticization may be used interchangeably for representation of sounds of Chinese characters.

Three major systems are in use at present:

1. Wade Giles Devised by Sir Thomas Wade and was revised by
Herbert Giles. It has been the established
system of romanization for a long time. Historical
and geographical names and other terms in Chinese
have been transliterated into this system throughout the world. In this system there is a widely
used Chinese-English Dictionary compiled by Mathews
and published by Harvard University Press. Every
sinologist should be familiar with this system as
the basis for doing research. In this system,
"Hsieh" is the phonetic equivalent of "thank."

Adopted by: Defense Language Institute (Washington, D.C.);

Georgetown University for advanced students;

George Washington University for second-year students;

University of Maryland, and others.

2. Yale System: In the 1950's linguists at Yale developed and popularized the Yale system. More than half of the colleges in the United States have adopted this system (e.g., the Defense Language Institute, West Coast Branch, Foreign Service Institute, and the U. S. Air Force Academy). Since this system approximates native ways of expression by combining words of the same term together, and since it seems to be accepted by most Americans, it is the most popular system in the United States today.

(In the Yale system, "Sye" is the phonetic equivalent of "thank.")

3. Pin Yin: Adopted in Mainland China in 1958. This orthography is the basis of education in the Mainland elementary schools. (See Appendix C and E; also, John de Francis, Beginning Chinese, Yale University Press, 1963.)

In 1963, the U. S. Department of Commerce published a Chinese-English Dictionary on the basis of Pin Yin. In 1963, McGraw-Hill published a technical and scientific dictionary based on the system.

In 1963-65, the U. S. Office of Education has given grants to Seton Hall University to compile texts in Chinese for beginning, intermediate, and advanced

Notes from the British Union catalog of Periodicals 1965.

The Hanyu Pinyin system is used for Chinese in preference to the Wade-Giles(with references as required) since periodicals are frequently issued in mainland China with

levels. This Pin Yin would be useful for people doing research concerning Mainland China today. In the Pin Yin system, "Xie"is the phonetic equivalent of "thank."

Comparative examples:

People's Daily

Vietnam 越南

Wade-Giles:

Ren Min R Bau

Ywe Nan

Pin Yin:

Yale:

Renmin Ribao

Yue Nan

A Professor of Chinese at Georgetown says that the Chinese Communists really have the best system of transliteration (Pin Yin system).

Teaching of Chinese in the U.S.

At present, there are about 150 colleges and 100 high schools
in the United States that include the Chinese language in their curricula. It is estimated that about 3,000 students are studying the language on the college level Melbourne H.gh School near Cape

Kennedy has started Chinese as a "Space Age variety" and the United States Air Force Academy started Chinese instruction in the 1962 fall semester and expanded to second year Chinese in 1964. The State of New York is now beginning to support high school teachers of Chinese. Carnegie Foundation has given grants to New York and California institutions to support teaching of Chinese in high schools. Stanford University and San Francisco State College have student and faculty exchange programs with Formosa. The University of Hawaii is expanding Chinese courses for the East and West Center. Almost all major universities in the United States now have programs for exchange of materials with Peking.

It is predicted that the teaching of Chinese in the United States will increase greatly in the near future. Mario Pei, the eminent linguist of Columbia University, in a 1962 letter to the writer indicated his opinion that "the Chinese language has a big future in this country." Bernhard Karlgren, the Swedish Orientalist, even stated that the Chinese language might be the basis of the written World Language if a World Language is to be established in the future.

Chinese is included in NDEA foreign language fellowships for awards in critical languages for summer 1965. The program will receive financial support from the National Defense Modern Foreign Language Fellowship Program under Title VI of the National Defense Education Act. Students receiving awards may study the Chinese language. The programs will be conducted with matching support for instruction from the United States Office of Education at four United States universities. There are undergraduate, graduate and post-doctoral programs in the study of Chinese under this program. Columbia University, Ohio State University, Stanford University and Washington University (St. Louis) have more than one hundred awards for summer 1965. Future programs will be released by the United States Office of Education.

A January 1965 announcement from the Department of Health, Education and Welfare stated that:

The National Defense Education Act Amendments, 1964, signed by President Johnson on October 16, 1964, authorized additional Federal financial support of the Language Development Program (NDEA Title VI), thereby enabling substantial increases in the numbers of graduate students receiving National Defense Modern Foreign Language Fellowships, beginning with the 1965 summer session and extending through June 30, 1968.

These Graduate Fellowships are for study of uncommonly taught languages and the areas where they are spoken, with principal emphasis upon the seven "most critical" languages - Arabic, Chinese, Hindi-Urdu, Japanese, Portuguese, Russian, and Latin American Spanish. Fellows must be preparing for teaching at the college level or for other service of a public nature.

The increased availability of language fellowships makes possible the waiver of the 1-year background requirement for fellowships in Arabic, Chinese, Hindi-Urdu, Japanese, and Portuguese in the summer 1966 and academic year 1966-67 competition, although preference will still be given applicants with some previous training. However, the 2-year preparation requirement for fellowships in Russian and Latin American Spanish, as stipulated on page 9 of the Announcement of 1965-66 Modern Foreign Language Fellowship Program (OE 55034-66), remains in effect.

To be eligible for award, a candidate must

- (a) be a citizen of the United States or a resident who has immigrant status and whose personal plans provide reasonable assurance that he will make a continuing contribution to the manpower resources of this country;
- (b) be willing to subscribe to the loyalty provisions of the National Defense Education Act;
- (c) have completed, by the beginning of the summer term, at least one year of formal college work or the equivalent in the language he proposes to study. Exceptional cases recommended by the screening committee may be considered by the Office of Education;
- (d) agree to devote himself to full-time summer study. No outside employment of any kind will be permitted.

Award benefits include

(a) tuition and required fees for the summer course;

- (b) round-trip travel, based on tourist air fare, from present institution or permanent residence (whichever is nearer) to the summer institution;
 - (c) maintenance allowance based on \$400 for an 8-week term.

APPENDIX A

COMPARATIVE KEY TO THE NEW PINYIN SYSTEM FOR THE ROMANIZATION

WADE-GILES

YALK

CHA, CHAI, CHAN, CHANG, CHAO CH'A, CH'AI, CH'AN, CH'ANG, CH'AO

CHE, CHEN, CHENG CHE, CHEN, CHENG

A, AI, AN, ANG, AO

CHI, CHIA, CHIANG, CHIAO, CHIEH, CHIEN, CHIH, CHIN, CHING. CHIU, CHIUNG CHI, CHIA, CHIANG, CHIAO, CHIEH, CHIEN, CHIH, CHIN, CHING, CHIU, CHIUNG CHO, CHOU

CH'O, CH'OU

CHU, CHUA, CHUAI, CHUAN, CHUANG, CHUI CHUN, CHUNG CHU, CHUA, CHUAI, CHUAN, CHUANG, CHUI, CHUN, CHUNG

CHÜ, CHÜAN, CHÜEH, CHÜN CHÜ, CHÜAN, CHÜEH, CHÜN

E, EN, ENG ERH

FA, FAN, FANG FEI, FEN, FENC FO. FOU

HA HAL HAN HANG HAO

HEI, HEN, HENC HO, HOU

HSI, HSIA, HSIANG, HSIAO, HSIEH, HSIEN, HSIN, HSING, HSIU, HSIUNG

HSÜ, HSÜAN, HSÜEH, HSÜN HU, HUA, HUAI, HUAN, HUANĞ, HUI, HUN, HUNC, HUO

JAN, JANG, JAO JE, JEN. JENG JIH jo, jou

JU, JUAN, JUI, JUN, JUNG

KA, KAI, KAN, KANG, KAO K'A, K'AÏ, K'AN, K'ANG, K'AO KEI

KEN, KENG K'EN, K'ENG KO. KOU K'O, K'OU

KU, KUA, KUAI, KUAN, KUANG, KUEI. KUN, KUNG, KUO K'U, K'UA, K'UAI, K'UAN, K'UANG, K'TEI, K'UN-K'UNG, K'UO

LA, LAI, LAN, LANG, LAO LE, LEI, LENG LI, LIA, LIANG, LIAO, LIEH, LIEN, LIN, LING, LII. LO, LOU

LU. LUAN, LUN, LUNG LÜ, LÜAN, LÜEH

MA, MAI, MAN, MANG, MAO MEI MEN, MENG MI, MIAO, MIEH, MIEN, MIN, MING, MIU MO, MOU

NA, NAI, NAN, NANG, NAO YEI, NEN, NENG

NI NIANG, NIAO, NIEH, NIEN, NIN, NING, NIU

17he should conjugate for the Pinnin and Wade Ciles eveters are

, NOU NU, NUAN, NUN, NUNG NC, NOEH

0 00

A, AI, AN, ANG, AU

JA, JAI, JAN, JANG, JAU CHA, CHAI, CHAN, CHANG, CHAU

JE, JEN, JENG CHE, CHEN, CHENG

JI, JYA, JYANG, JYAU, JYE, JYAN, JR. JIN, JING, JYOU, JYUNG CHI, CHYA, CHYANG, CHYAU, CHYE, CHYAN, CHR, CHIN, CHING, CHYOU, CHYU:

JWO, JOU CHWO, CHOU

CHWO, CHOU JU, JWA, JWAI, JWAN, JWANG, JWEI, JWUN, JUNG CHU, CHWA, CHWAI, CHWAN, CHWANG, CHWEI, CHWUN, CHUNG JYU, JYWAN, JYWE, JYUN CHYU, CHYWAN, CHYWE, CHYUN

E, EN, ENG

FA, FAN, FANG

FEI, FEN, FENG FWO, FOU

HA. HAI. HAN. HANG. HAU

HEI, HEN, HENC

HE, HOU SYI, SYA, SYANG, SYAU, SYF. SYAN, SYIN, SYING, SYOU, SYUNG SYU, SYWAN, SYWE, SYUN HU, HWA, HWAI, HWAN, HWANG, HWEI, HWUN, HUNG, HWO

RAN, RANG, RAU RE, REN, RENC

RWO. ROU

RU, RWAN, RWEI, RWUN, RUNG

GA, GAI, GAN, GANG, GAU KA, KAI, KAN, KANG, KAU

GEI GEN, CENG KEN, KENC CE. COU KE, KOU

GU, GWA, GWAI, GWAN, GWANG, GWEI, GWUN, GUNG, GWO KU, KWA, KWAI, KWAN, KWANG, KWEI, KWUN, KUNG, KWO

LA, LAI, LAN, LANG, LAU LE, LEI, LENG LI, LYA, LYANG, LYAU, LYE, LYAN, LIN, LING, LYOU LWO, LOU LU, LWAN, LWUN, LUNG

LYU, LYWAN, LYWE

MA, MAI, MAN, MANG, MAU MEI MEN, MENG

MI, MYAU, MYE, MYAN, MIN, MING, MYOU MWO, MOU

NA, NAI, NAN, NANG, NAU NEI, NEN, NENG NI, NYANG, NYAU, NYE, NYAN, NIN, NING, NYOU NWO, NOU

NU, NWAN, NWUN, NUNG

NYU. NYWE

O, OU

| THE BROMERIC SARLANIE | men las me turke men wan | e-unes systems are. | | | | | |
|-----------------------|--------------------------|---------------------|-----------------|--------------------------|---|---------------------|--------------|
| Pinyin (Wode-Giles) | Ai m | Pinyin (Wade-Gilen) | As in | Pinyin (Wade-Gilen) | As in | Playin (Wade-Giles) | As in |
| a (a) | father | e (e) | up (lengthened) | i (i) | (1) machine | iu (iou) | lew (i+eu |
| ai (ai) | niale | ei (ei) | eight | (ih; u) | (2) vecalised r in shi, | y (y) | you |
| an (an) | CAR | en (en) | omen | | chi, shi, ri; or a prolonged s-nound | k (k') | kill |
| ang (ang) | bang (German) | eng (eng) | sung | | in at, ct, at. | q (ch') | cheer law |
| 40 (00) | Man | er (erh) | err | ia (ia) | Asia (i+a) | l (l) 無 (か) | man |
| b (p) | speak | f (f) | fan | ian (ien) | yen (i+ang) | n (n) | 30 |
| c (ts') | : hat's | g (k) | akili | iang (iang) iao (iao) | young (i+ang) you! (i-ao) | ng (ng) | sing |
| ch (ch') | chew (tip of tongue | j (ch) | jeer | ie (ieh) | yes (i+e) | o (o) | BOW |
| | curved back) | h /h) | ach (German) | in (in) | machine | ou (ou) | knew |
| d(t) | steam | x (ha) | ship | ing (ing) | sing | p (p*) | pnak |

PINYIN SYSTEM FOR THE ROMANIZATION OF CHINESE!

PINYIN (P'IN-YIN)

AU CHANG, CHAU

U, JYE, JYAN, JR, JIN, JING, JYOU, JYUNG G, CHYAU, CHYE, CHYAN, CHR, CHIN, CHING, CHYOU, CHYUNG

IN. JWANG, JWEI, JWUN, JUNG AI, CHWAN, CHWANG, CHWEI, CHWUN, CHUNG JYUN HYWE, CHYUN

C, HAU

AU, SYF. SYAN, SYIN, SYING, SYOU, SYUNG SYUN WAN, HWANG, HWEI, HWUN, HUNG, HWO

WUN, RUNG

, GAU , KAU

WAN, GWANG, GWEI, GWUN, GUNG, GWO WAN, KWANG, KWEI, KWUN, KUNG, KWO

, LAU

AU, LYE, LYAN, LIN, LING, LYOU

LUNG

NG. MAU

AN, MIN, MING, MYOU

J, NAU

IYE, NYAN, NIN, NING, NYOU

NUNG

A, AI, AN, ANC, AO

ZHA, ZHAI, ZHAN, ZHANG, ZHAO
CHA, CHAI, CHAN, CHANG, CHAO
ZHE, ZHEN, ZHENG
CHE, CHEN, CHENG
JI, JIA, JIANG, JIAO, JIE, JIAN, ZHI, JIN, JING, JIU, JIONG
QI, QIA, QIANG, QIAO, QIE, QIAN, CHI, QIN, QING, QIU, QIONG
ZHUO, ZHOU CHUO, CHOU ZHU, ZHUA, ZHUAI, ZHUAN, ZHUANG, ZHUI, ZHUN, ZHONG CHU, CHUA, CHUAI, CHUAN, CHUANG, CHUI, CHUN, CHONG JU, JUAN, JUE, JUN QU, QUAN, QUE, QUN

E, EN, ENG ER (R)

FA, FAN, FANG FEI, FEN, FENG FO, FOU

Ha, Hai, Han, Hang, Hao Hei, Hen, Heng HE, HOU XI, XIA, XIANG, XIAO, XIE, XIAN, XIN, XING, XIU, XIONG XU, XUAN, XUE, XUN HU, HUA, HUAL HUAN, HUANG, HUI, HUN, HONG, HUO

ΥI

RAN, RANG, RAO RE, REN, RENG RI RUO, ROU RU, RUAN, RUI, RUN, RONG

GA, GAI, GAN, GANG, GAO KA, KAI, KAN, KANG, KAO GEI GEN GENG KEN, KENG

GE. GOU GU, GUA, GUAL GUAN, GUANG, GUI, GUN, GONG, GUO KU, KUA, KUAI, KUAN, KUANG, KUI, KUN, KONG, KUO

LA, LAI, LAN, LANG, LAO LE, LEI, LENG LI, LIA, LIANG, LIAO, LIE, LIAN, LIN, LING, LIU LU, LUAN, LUN, LONG LÜ, LÜAN, LÜE

MA, MAI, MAN, MANG, MAO MEI

MEN, MENG

MI, MIAO, MIE, MIAN, MIN, MING, MIU MO, MOU

MU

NA, NAI, NAN, NANG, NAO NEI, NEN, NENG NI, NIANG, NIAO, NIE, NIAN, NIN, NING, NIU

NUO, NOU

NU, NUAN, NUN, NONG NÜ, NÜE

E, OU

| As in | Pinyin (Wade-Giles) | As in | Pinyin (Wade-Giles) | As in | Pinyin (Wade-Giles) | As in |
|--|---|--|--|--|--|--|
| (1) machine (2) vocalised r in zhi, chi, shi, ri; or a prolonged z-sound in zi, ci, si, Asio (1+a) yen (1+ang) young (1+ang) young (1+ang) you (1+ao) yen (1+a) machine sing | iu (1004) y (y) k (h') q (ch') (1) m (m) n (r) ng (ng) 0 (0) p (p') | few (1+om) you kul cheer law man no sing saw know ponk | r(j) a(s) sh(sh) tft') u(u) ua tua) ua tua) uan (uan) uang (uang) u (u-s) | between English r (run) and French j (jeune) sound shrub team rude waft (u + a) wife (u + a) wang (u + an) wang (u + an) | un (un) ong (ung) ou (uo) w (w) i(u) iun uan (uan) ie (ueh) iun (ung) z (ts) zh (ch) | wen ung (German) woman vay i (German) u+en u+e i+eng adae rich (tip of tongue curved back) |

WADE-GILES

'AI, PAN, PANG, PAO P'AI, P'AN, P'ANG, P'AO PEN, PENG P'EN, P'ENG IAO, PIEH, PIEN, PIN, PING 'IAO, P'IEH, P'IEN 'IN, P'ING

P'OU

UAN, SUI, SUN, SUNG

"AI, TAN, TANG, TAO Γ'AI, T'AN, T'ANG, T'AO EI, TENG "ENC IAO, TIEH, TIEN, TING, TIU 'IAO, T'IEH, T'IEN, T'ING 'OU L,OA TSAI, TSAN, TSANG, TSAO TS'AI, TS'AN, TS'ANG, TS'AO TSEI, TSEN, TSENG TS'EN, TS'ENG **TSOU** T3'OU TSUAN, TSUI, TSUN, TSUNG TS'UAN, TS'UI, TS'UN, TS'UNG UAN, TUI, TUN, TUNG "UAN, T'UI, T'UN, T'UNG

VAI, WAN, WANG

WENG

AI, YANG, YAO YEN 'ING UNG ÜAN, YÜEH, YÜN BA, BAI, BAN, BANG, BAU
PA, PAI, PAN, PANG, PAU
BEI, BEN, BENG
PEI, PEN, PENG
BI, BYAU, BYE, BYAN, BIN, BING
PI, PYAU, PYE, PYAN, PIN, PING
BWO
PWO, POU
BU
PU

SA, SAI, SAN, SANG, SAU
SE, SEN, SENG
SHA, SHAI, SHAN, SHANG, SHAU
SHE, SHEI, SHEN, SHENG
SHR
SHOU
SHU, SHWA, SHWAI, SHWAN, SHWAN
SWO, SOU
SZ
SU, SWAN, SWEI, SWUN, SUNG
SZ

DA, DAI, DAN, DANG, DAU TA, TAI, TAN, TANG, TAU DE, DEI, DENG TE, TENG DI, DYAU, DYE, DYAN, DING, DYOU TI, TYAU, TYE, TYAN, TING DWO, DOU TWO, TOU DZA, DZAI, DZAN, DZANG, DZAU TSA, TSAI, TSAN, TSANG, TSAU DZE, DZEI, DZEN, DZENG TSE, TSEN, TSENC DZWO, DZOU TSWO, TSOU DZU, DZWAN, DZWEI, DZWUN, DZU" TSU, TSWAN, TSWEI, TSWUN, TSUNG DU, DWAN, DWEI, DWEN, DUNG TU, TWAN, TWEI, TWUN, TUNG DZ TSZ

WA, WAI, WAN, WANG WEJ WEN, WENG WO WU

YA, YAI, YANG, YAU YE, YAN YIN, YING YOU, YUNG YU, YWAN, YWE, YUN



YALE

PINY

BA, BAI, BAN, BANG, BAU
PA, PAI, PAN, PANG, PAU
BEI, BEN, BENG
PEI, PEN, PENG
BI, BYAU, BYE, BYAN, BIN, BING
PI, PYAU, PYE, PYAN, PIN, PING
BWO
PWO, POU
BU
PU

١.

SA, SAI, SAN, SANG, SAU
SE, SEN, SENG
SHA, SHAI, SHAN, SHANG, SHAU
SHE, SHEI, SHEN, SHENG
SHR
SHOU
SHU, SHWA, SHWAI, SHWAN, SHWANG, SHWE I, SHWUN, SHWO
SWO, SOU
SZ
SU, SWAN, SWEI, SWUN, SUNG
SZ

DA, DAI, DAN, DANG, DAU TA, TAI, TAN, TANG, TAU DE, DEI, DENG TE, TENG DI, DYAU, DYE, DYAN, DING, DYOU TI, TYAU, TYE, TYAN, TING DWO, DOU TWO, TOU DZA, DZAI, DZAN, DZANG, DZAU TSA, TSAI, TSAN, TSANG, TSAU DZE, DZEI, DZEN, DZENG TSE, TSEN, TSENG DZWO, DZOU TSWO, TSOU DZU, DZWAN, DZWEI, DZWUN, DZUNG TSU, TSWAN, TSWEI, TSWUN, TSUNG DU, DWAN, DWEI, DWEN, DUNG TU, TWAN, TWEI, TWUN, TUNG DZ TSZ

WA, WAI, WAN, WANG WEI WEN, WENG WO WU

YA, YAI, TANG, YAU YE, YAN YIN, YING YOU, YUNG YU, YWAN, YWE, YUN BA, BAI, BAN, BANG, BAO
FA, PAI, PAN, PANG, PAO
BEI, BEN, BENG
PEI, PEN, PENG
BI, BIAO, BIE BIAN, BIN, BIN(
PI, PIAO, PIE, PIAN, PIN, PING
BO
PO, POU
BU
PU

SA, SAI, SAN, SANG, SAO
SE, SEN, SENG
SHA, SHAI, SHAN, SHANG, SHE
SHEI, SHEI, SHENG
SHI
SHOU
SHU, SHUA, SHUAI, SHUAN, SUO, SOU
SI
SU, SUAN, S., SUN, SONG

DA, DAI, DAN, DANG, DAO TA, TAI, TAN, TANG, TAO DE, DEI, DENG TE, TENG DI, DIAO, DIE, DIAN, DING, DI TI, TIAO, TIE, TIAN, TING DUO, DOU TUO, TOU ZA, ZAI, ZAN, 7 .NG, ZAO CA, CAI, CAN, CANG, CAO ZE, ZEI, ZEN, ZENG CE, CEN, CENG ZUO, ZOU CUO, COU ZU, ZUAN, ZUI. ZUN, ZONG CU, CUAN, CUI, CUN, CONG DU, DUAN, DUI, DUN, DONG TU, TUAN, TUI, TUN, TONG ZI CI

WA, WAI, WAN, WANC WEI WEN, WENG WO WU

YA, YAI, YANG, YAO YE, YAN YIN. YING YOU, YONG YU, YUAN, YUE, YUN ALE

PINYIN (P'IN-YIN)

BA, BAI, BAN, BANG, BAO
PA, PAI, PAN, PANG, PAO
BEI. BEN, BENG
PEI, PEN, PENG
BI, BIAO, BIE, BIAN, BIN, BING
PI, PIAO, PIE, PIAN, PIN, PING
BO
PO, POU
BU
PU

SA, SAI, SAN, SANG, SAO
SE, SEN, SENG
SHA, SHAI, SHAN, SHANG, SHAO
SHE, SHEI, SHEN, SHENG
SHI
SHOU
SHU, SHUA, SHUAI, SHUAN, SHUANG, SHUI, SHUN, SHUO
SUO, SOU
SI
SU, SUAN, SUI, SUN, SONG
SI

DA, DAI, DAN, DANG, DAO TA, TAI, TAN, TANG, TAO DE, DEI, DENG TE, TENG DI, DIAO, DIE, DIAN, DING, DIU TI, TIAO, TIE, TIAN, TING DUO, DOU TUO, TOU ZA, ZAI, ZAN, ZANG, ZAO CA, CAI, CAN, CANG, CAO ZE, ZEI, ZEN, ZENC CE, CEN, CEN'G ZUO, ZOU CUO, COU ZU, ZUAN, ZUI, ZUN, ZONG CU, CUAN, CUI, CUN, CONG DU, DUAN, DUI, DUN, DONG TU, TUAN, TUI, TUN, TONG ZI CI

WA, WAI, WAN, WANG WEI WEN, WENG WO WU

YA, YAI, YANG, YAO YE, YAN YIN, YING YOU, YONG YU, YUAN, YUE, YUN

WEI, SHWUN, SHWO



| ABBREVIATI | ED CHARACTEI | s with Stan | DARD EQUIVA | LENTS | | | | | | | |
|---|---|--|---|---|--|---|--|--|---|---|--|
| 一了几儿厂,万里个亿千千才义广习多么飞亏与,双功,邓仆仅从开。当事典鬼鬼魔的鸟新倒住乾鞋绳姜质皆绑座,形衔典,受勤弊慢慢使祸, NDA | 区为币历厅风风丰书书斗丑艺忆无仓气云办队长号 即边辽坤归刍尔台 《《高学·唇魔鳳凰堂古掌門疏藝信無念氣雲鄉隊長年》通邊連帥歸為爾臺 CTERA 歷 | 号只叶吹扑汇汉电务冬东术头龙旧厉出去三处灭丛宁卢节业圣对发。———————————————————————————————————— | 礼写乐。优伪合会伞众伙价伤回呼吓网执扫扩壮妆压灰庄庆迈达过近,1984年,使偶别含伞农彩價係迴额蛛網執择擴北妝壓廠莊废道這過速,1984年 | 杀杂朴权向欢戏师冲虫,岜岁灯夺导寻动协团曲后关刘巩齐乔夹夸划尽 | 屿朱尘产忏免谷孙买农亚当兴印华阶阴阳妇四根护析犹拟迟运进远运"""""""""""""""""""""""""""""""""""" | 还沟沪沈叱别听克启乱国因坏坎坛块无声苏芦牡灿灵怀忧应庐疗 疖严 | 补谷条亩龟里丽励条时寿医穷纤体侧步犹来彻余卤两县 状际陆邻邮层 | 实参举担拦抹拥单参衬郭艰迭完宝帘审泻泸 范羊利制庙疟备奋画齿"青参格梧棚抹摊草桌搬费烈盛赏资质審鸿温 轮频雕架扇檐储备高凿 | 含凭环杏怜构柜极松板枪肿胁肤肮炉 袁杲肃表丧征岭势虏弥杂罗矾矿"""""""""""""""""""""""""""""""""""""" | 图图·面复:临俩响呸观活 洁洌浊洼选逊适总愉快虾茧虽垫基全美姜==================================== | 类宪窃都标栏树来胆胜烂炼点战造成举尝胡带将其否呈牵起沃忘认所"""""""""""""""""""""""""""""""""""" |
| (P) P P P P P P P P P P P P P P P P P P | 多艾佩师個十渊這左衛敵我專匾帶捲掃拾麥 硃務直習陸陸多只佩师个画渊这左牵启执寺匠带卷扫含曼 朱务益习法阳 | 提=从 參=参 | 李星無傷 勝進地 | 神會 極粛當處禁萬號國裏過業裝定亂新會腔腦傭僅傷索鄉十滬漢 滞消水平會 极肃当岁叶万号国农过业装定乱新會腔腦傭僅傷索鄉十滬漢 滞消水平 | (一) 壓複面型壽臺遠逐遊超祖 坐复尔坚寿台远逊赵姓! | \$P\$就国問對獎製稱極鳳雕與僕佛像 通悠網十漸潔審寫窮適敵症瘡廟原傳。==================================== | (T) 《 T) 《 | 《明觀樂 紫節氣形雕憶價樂劉質盤撤衛復衝線十澱濁密憑觀轉龍憶導 陸頭二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二 | 樹精模速達香 | (い) | 新馬並普通通照瞭職局 林维衛嶼船卷縣院優價複絲總統十濟海道的內分分子 1 |

| ↑ | 李祥都艰选实宝帘审泻泸流。 电微势数 医肾管 原常 医胃管 医胃管 医胃管 医胃管 医胃管 医胃炎 | 面面角 临偏响哑观酒 洁测浊注选逊适总恼妆虾茧虽垫蛋面面角 临偏响哑观酒 洁测浊注选逊适总恼妆虾茧虽垫蛋面塑绳瘦踮俩磐喳懒灑 潔别洞窪送递遍總懦得龊的鞋垫餐完高都标栏树来胆胜烂炼点战毡成举尝切带将其至显率起长完高都标栏树来胆胜烂炼点战毡成举尝切带将其至原掌超视 | □ · · · · · · · · · · · · · · · · · · · | 腹椎聚聚丝丝医管片皮肤作在至时质量的大量,以上,以上,以上,使椎聚聚丝丝医管片皮肤精兽传盘五断菜果然淡水鲜梦故秽的贵饼有一"———————————————————————————————————— | 以取隐随堕■湿滞惩酷损药琼凿窜确检裹装联种朗项证筑真椭束==================================== | 《《··································· |
|---|--|--|--|--|--|---------------------------------------|
| 麻博那斯茶髮投填實熱 重辆模模棒操鼓喷踢是進層節堕擊弊刺應齊齒前で一"一""一""一""一""一""一""一""一""一""一""一""一""一" | 「「 「 「 「 「 「 「 「 「 「 「 「 「 「 「 「 「 「 「 | 1 1 1 1 1 1 1 1 1 1 | 于存英普迈还点了的板 吓虽岭屿墙总参胆优佳获新总纵画沈泻波洲植棉檀榼 梨琴度歌传授报槎櫃髻硬髭堂花篙墨底炭覆微雙歸獵斷十礼张粮烬 松冬复秋扩抗摆台柜医础瓷平借旧全安丛酱砂双归猎断画 | 不際間電歌電聲歐麗 等度信刊 7. 柳棠 著 一卷 等 等 | 向 公元库库症体摆行国外拦挠面矾矿砾党 芦竿功苏岭出队戏 | 是 |

APPENDIX C

汉話音素表

INDEX TO CHINESE PHONETICS

| [Note: | Unless otherwise specified (e.g. (English), (French), the examples are drawn from German) | • |
|--------|---|---|
| | 声 毋 | |
| | CON SONANTS | |

| AMERICAN | 国际音乐 International Phonemic symbols | CA - T. EXAMPLES |
|-----------------|---|---|
| SYSTEM | USED IN UNITED KINGDOM AND WESTERN EUROPE | |
| b | (b) | backen |
| Þ | [p'] | packen |
| m | [m] | Mann |
| f | ្សាំ | finden |
| d | [4] | lan den |
| ě | [\$'] | tot |
| n | [n] | nie |
| • | ຸດງ | loben |
| | [8] | geben |
| 9 | (k ') | kaum |
| ζ K | [x] | acht |
| k k *j ŏ * | [tç] | jeer (English) |
| 3 | [tç¹] | cheer (English) |
| x | [6] | ich |
| dz | [ts] | voiced d+ voiced s |
| ės – | [ts'] | z oigen |
| | [s] | lassen |
| ¥ | [ts] | jeune (French) |
| ž | [ts'] | doutsch |
| s Ž Ž | [<u>ş</u>] | schaffen |
| (upside down r) | (k) | midway between the English r and the French j |
| | (ŋ) | singen |
| 7 | (i) | jung |
| y | [w] | Way (English) |
| W | r) | A /hill regit |

```
毌
                                 VOWELS
                                   [a]
[o]
[e]
[i]
[u]
                                                    lassen
3
                                                    Sonne
0
りとてひれ
                                                    beginnen
                                                    säen
                                                    immer
                                                    unten
                                                    über
            (After j, g, and x the unlaut sign is not needed)
Ly
                                   [ai]
                                                    sein
aw
                                   [au]
                                                    bauen
                                                            (English)
                                                    know
OW
                                    [ou]
ey
                                                    eight (English)
                                   [ei]
                                                    Jammer
ya
                                    [ia]
                                                    jauchzen
yan
                                    [iau]
                                    [iou]
                                                     jubeln
yu
                                   [is]
                                                    jenseits.
٧e
                                                     wast (English)
                                    [ua]
wa
                                                     wife (English)
way
                                    uai]
                                                    Woman (English)
                                    [uo]
wow
                                                    way (English)
                                    uei]
wey
                                   [ye]
                                                    ü+ short e
                                                    err (English)
                                    [a[]
                                    [r]
                                                    lengthened z
                                   [1]
                                                    bit (English)
                             Vowels + n or ng
                                                     kann
                                    [an]
                                                     jenseits
                                    [iæn]
                                    uan]
                                                    uan
                                                    jüän
                                    [yæn]
                                                    ieben
                                    [en]
                                                    Wen (English)
                                    uen]
                                                    ai
                                    [in]
                                                     ü+n
                                    [vv]
                                                     bang
                                    [aŋ]
                                    [iaŋ].
                                                     Jangtse
                                                    wang (English)
                                    uaŋ
                                   [un]
                                                    Zeitung
                                                    jung
                                    [iuŋ]
                                    [eŋ]
                                                    sung (English)
                                    [uen]
                                                    u + eng (English)
                                   [iŋ]
                                                    singen
```

APPENDIX D RADICALS

CHINESE

| No. | Char- actor | Senad | Deficition | No. | Char- actor | Pound | Definition |
|------|----------------|---------------------|---------------|----------|----------------|-------------------|---------------|
| 1† | _ | jı. | one | 30† | n | k'ou³ | a mouth |
| 2 | 1 | kuni | a downstroke | 31 | П | wei ¹ | an enclosure |
| 8 | 3 | chu³ | a dot | 32† | 土 | t'u³ | earth |
| 4 | • | p'leh³ | a left stroke | 33† | ± | ahih ⁴ | a scholar |
| 5 | 乙 | lt. | a curve | 34 | 久 | chih ⁴ | a step |
| • . | J | ch teh | a crook | 35 | 久 | to'ui' | to walk slowi |
| 7† | = | 4rh4 | two | 36 | Ŋ | hei | evening |
| | 4 | t'oc- | a cover | 37† | 大 | tet | great |
| 9a† | A |) jen• | a man | 38† | 女 | nü³ | a woman |
| b• | 1 | , | | 39† | 手 | tzū ¹ | a son |
| 10 | 儿 | jên ^s | a man's legs | 40* | | mien ^s | a roof |
| uţ | 入 | ju ⁴ | enter | 41† | 4 | te'un' | an inch |
| 12† | 人 | pat | eight | 421 | 小 | helaos | emali |
| 18* | П | chiung ⁴ | a limit | 43 | 九 | wang ^t | lame |
| 14* | - | mi ⁴ | to cover | 441 | P | ehih! | a corpee |
| 15* | 7 | pingi | ice | 45 | yh . | ch' ê ⁴ | a sprout |
| 16† | 几 | chi | a stand | 461 | Ш | ehan! | a hill |
| 17* | П | k'an' | receptacle | 47a† | « |) | |
| 1841 | カ | laoi | a knife | b• | jii | ch'uan' | a stream |
| P• | ų, | | | 48† | I | kungi | work |
| 19† | カ | R. | strength | 491 | 2 | chiP | aci(|
| 20* | 7 | paol | to wrap | 501 | th C | chin! | a napkin |
| 21• | Ł | pia | a speca | 51† | 丰 | kan ^t | a shield |
| 22 | Ē | fang I | a backet | 82 | 幺 | yaol | emaii |
| 22 | T | bal ^a | a box | 731 | | yen ¹ | a shelter |
| 24† | | abib ^o | ten | 84 | 廴 | yin ^a | to move on |
| | + | | | 55* | 升 | kung | folded hands |
| 25† | ۲ | Pu ⁰ | to divine | 56 | 九七 | ie. | a dart |
| 26 | p | chich* | a seal; knot | 57 t | 月 | kungt | a bow |
| 27 | 厂 | hen ⁴ | a oliff | 1 | | ch'it | |
| 250 | 4 | esti | private | 88 80 | = | ehen! | pointed |
| 201 | 又 | JW ⁴ | and also | | 3 | | plumage |
| ' | | | | •0• | 1 | oh'ih' | a left step |

CHINESE—Continued

| VIII. 100 | | | | | | | | | |
|--------------------|----------------|-------------------|----------------|-------------|------|--------------------|-----------------|--|--|
| No. | Cher- scies | frant | DoğuMan | No. | Cher | Dound | Definition | | |
| Glat | Ÿ | 1 | | Stat | 火 | 1. | _ | | |
| P• | + | اعليط | the beart | 50 | *** |) bus | áre | | |
| 60 | 1 |) | | | | | | | |
| | | | | 87e† | 从一个 | chas | claws | | |
| 62† | 龙 | koʻ | a spear | b * | | , | | | |
| 63† | 卢 | hu ⁴ | the family | 88 † | 父 | fw ⁴ | father | | |
| Hat | 手 |) about | a band | * | 爻 | yee | intertwine | | |
| p• | * | | | 90* | 爿 | ob Tange | a bed | | |
| 65† | 支 | chih! | a branch | 91† | 片 | p'los' | a strip | | |
| 40- | | l, | | 921 | 牙 | yes | a tooth | | |
| 66c | 支欠 | } }p'u' | to rap | | 1 | | | | |
| b• | 文 | Γ | | 9361 | 4 | mine* | A2 0E | | |
| 67† | 半 | wén ^a | literature | Ь | # | Į) | | | |
| 68† | 厅 | tous | a peck | 940* | 犬 | 1 | | | |
| 60 † 70† | // 方 | chin ^t | a catty | ь• | 1 | ch'tem | a dog | | |
| 71 | 元 | MA ₁ | without | 95 | 玄 | ytes | derk | | |
| 72† | 日日 | jib. | the oun | | | , | | | |
| 73† | B | ytehi | to speak | 960* | 王 | ye. | jade | | |
| 741 | 月 | y@sh4 | the moon | p. | * | ľ | | | |
| 75† | 木 | mu ⁴ | wood | 97 | 瓜 | kuel | a melca | | |
| 76† | 大 | ch'ion' | to owe | 961 | 嵬 | Wa ^a | a tile | | |
| 771 | 止 | chike | to stop | 901 | # | kant | sweet | | |
| 78† | 歹 | tel | bed | 100† | 生 | abêng ⁴ | to beget | | |
| 70 | 父 | ebu ¹ | to kill; staff | 1011 | 用用 | yungi | to use | | |
| 80† | 毋 | Wills | do not | 102† | H | t'lon' | a Sold | | |
| 81† | 比 | pi | to compare | 1 | 1 | p# | a roll of eloth | | |
| 62 † | 毛 | 200 0 | hair | 103† | 疋 | pP pP | | | |
| 83† | 氏 | abih ⁴ | a clas | 104* | 300 | l | disease | | |
| 84 | 4 | op.h | atr | 106* | 74 | Do. | back to back | | |
| 85a† | 水 | | water | 106† | 白 | pai | white | | |
| Po | | | 1 ****** | 1071 | 皮 | B,lo | ekin | | |
| | | | | | | | | | |

CHINESE—Continued

| ×e. | Cher- ecter | Sound | Detailies | No. | Cher- | Presi | Definition |
|----------------|----------------|-------------------|-------------|-------|------------|--------------------|---------------|
| 106 | 1 | min ^s | a dieh | 128† | 耳 | deb* | AB GAT |
| 100† | 目 | mu ⁴ | an eye | 129 | * | 704 | a pen |
| 110 | 矛 | mou ^s | a lance | 13041 | 肉 |)jou¹ | Sech |
| 111† | 矢 | oblb4 | an arrow | P• | 月 | , , | |
| 112† | 石 | apile . | a stone | 131† | 巨 | ch'ém | a stateeman |
| 1136† | 卅 | }ohih* | to reveal | 133† | 自 | teu* | self |
| P• | 示 | ľ | ł | 133† | 至 | chih* | to reach |
| 114 | A | jou | a track | 134† | 白 | chiu4 | a morter |
| 115† | 禾 | 50 ° | grain | 135† | 舌 | ainės | the tongue |
| 11 6 a† | 穴 | h | ā | 136 | 件 | ch'uan' | to oppose |
| ь | ~ |) hottob | A 06Y0 | 137† | 舟 | cpos ₁ | a boat |
| 117† | 並 | Дe | to stand | 138† | 艮 | kém ⁴ | a limit |
| 11861 | | h | [| 130 | 色 | 364 | color |
| b | 竹州 | ehu ^o | bambos | 140a | 9 4 | te'ace | graes |
| 110† | 米 | | rice | ь• | ** | J | |
| | Ť | , – | | 141* | 疋 | hu ^s | a tiger |
| 120a b* | 杂生 | mi' | raw oilk | 142† | 山 | ch'ung* | an incest |
| • | 7 | ĺ | | 143 | 鱼 | heteh4 | blood |
| 121 | 缶 | fout | carthenware | 144† | 行 | heings | to go |
| 122a | M | | | 145a† | 衣 |] _µ | alasha. |
| ь | 23 | wang* | a net | ъ• | 7 | J " | ciothes |
| đ | | | | 1466 | 画 | ya' | (west) is of- |
| | | | | ь | 西 | J | this radical. |
| 123† | * | yeag ⁰ | s sheep | 147† | 見 | obion ⁴ | to see |
| 124 | 靭 | 780 | a wing | 148† | 角 | obiasi | horn; an an- |
| 195† | 老 | lac | old | 1401 | * | yea* | gle Words |
| 196† | 풺 | Selb ^o | and; yet | 1801 | 谷 | kw | a gully |
| 137 | 未 | Jeft | a plow | 151† | | tout | beans |

CHINESE-Continued

| No. | Char- sater | freed | Defaities | No. | Cher- seter | Sound | Dellettion |
|-----------|----------------|-------------------|----------------|------|----------------|-------------------|-----------------|
| 152† | 家 | shib* | swine | 174† | 料 | ch'ingi | green; asure |
| 153 | 3 | ebal* | a reptile | 175† | 非 | fel ¹ | 100 |
| 154† | 貝 | pel ⁴ | a shell; valu- | 176† | 面 | mion* | the face |
| 155 | 赤 | abilbe | able bere | 177† | 革 | ké ^s | hide; to strip |
| 156† | 走 | teous | to walk | 178* | 本 | wei | dressed leath- |
| | | | | 179 | 韭 | chiu ^s | loeks |
| 1576† | 足 | tous | she feet; | 180† | 音 | yin' | eound |
| b | 1 | | / enough | 181† | 页 | yeh ⁴ | a page |
| 156† | 身 | abin ¹ | 45-5-4- | 183† | 風 | fêng ^t | the wind |
| 150† | 直 | 44 | the body | 183 | 飛 | fel ¹ | to fly |
| • | 辛 | | a cert | 184† | 食 | opips | to est |
| 100† | l ' | helai ch'éar | pungent | 185† | 首 | sbou ^s | the head; first |
| 161† | 展 | - COP (COP) | time | 186† | 番 | helangi | incense |
| 162a | 鬼 | chot | to go | 187† | 馬 | me* | a horse |
| b• | 辶 |) | | 188† | 4 | ku | a bone |
| 163a | 邑 |),, | | 189† | 高 | kaol | high |
| b• | B | | a city | 190 | 影 | pieot | bushy hair |
| 164† | | 740 | wine; hervest | 191 | 7 | tout | to fight |
| 165 | 来 | Diem. | io separate | 192 | | ch'ang' | herbe |
| 166† | 且 | Mo boom | a Chinese mile | 193 | 电 | 14 | a cauldren |
| • | I — | | l : | | 爲 | | |
| 167† | <u> </u> | ebimi, | motal; gold | 194† | 鬼 | kuel ^s | a demon |
| 106† | 是 | ch'ang | long | 195† | 魚 | Ag ₀ | a Soh |
| 100† | | =10 3 | a door; gate | 196† | 鳥 | niac ^s | a bird |
| 170a | 阜 | h | | 197* | | lu ^o | rock salt |
| b• | K | for | a mound | 198 | 庭 | lu4 | a deer |
| 171 | 粜 | tal | to reach to | 199 | 麥 | mel | wheat |
| 172* | 盆 | obul | birde | 300† | 麻 | me ³ | hemp |
| 190. A | | <u> </u> | | 201† | 黄 | huang | yellow |
| 178a† | 展 | 78 | rain | 202 | * | abu ^a | millet |
| _ | | _ | ▼ | | | • | • |

CHINESE—Continued

| No. | Char- | found | Delaities | No. | Cher- | Sound | Defaition |
|------|-------|-------------------|------------|------|----------|-------------------|---------------|
| 208† | 黒 | helf | block | 200 | A | pi | the nose |
| 204 | 常 | optibe | embroidery | 210† | 斉 | oh'P | uniform; reg- |
| 206* | - | | a frog | 211 | | eh"lh • | front tooth |
| 306 | # | tingi | a triped | 2127 | 龙 | lung ^a | a dragon |
| 207 | 放 | kw* | s drum | 213 | * | kwell | a tortoles |
| 206 | 8 | abor ^a | a rat | 314 | ^ | yteh! | a fluto |

*Indicates the more important of the radicals. †Indicates complete characters as well as radicals.

NOTE: The superior figures in the "sound column" indicate the number of the tone used.

APPENDIX E

Braft Plan for Latinisation

Source: Pecula's China, March 16, 1956

Article 1. The Chinese phonetic alphabet is based on the common language which takes the Poking pronunciation as its standard. It consists of the following letters:

(1) Twenty-four consonents:

| Lotters | Old Plonette Symbols | Musiro- tice Char- ectore | Wade System | Inter- national Phonetic Symbols | Approximate English Sounds |
|-----------|----------------------------|---------------------------------|----------------|---|------------------------------------|
| • | 4 | * | P | P | b as in be, but not voiced |
| P | * | 椎 | ъ, | P ⁴ | p as in pip, strongly aspirated |
| 55 | п | 拔 | m | m | m ës in men |
| t | C | # | £ | 1 | f as in food |
| 4 | * | # | | • | d as in do, but not voiced |
| • | * | ** | ٠ | ۴ | t as in tea, strongly aspirated |
| • | 7 | m | | | n as in nine |
| 1 | • | • | 1 | 1 | i as in My |

^{*}The symbols of the National Phonetic System are still being used in Formosa and Hong Kong for teaching Chinese-Mandarin to the Chinese.

The Standard Telegraph Code Numbers have also been used to represent characters in mainland China. (See McGraw Hill's Scientific and Technical Dictionary, 1963)

[&]quot;SI JIAO" Numbering System has also been used to teach Chinese and to locate characters in "Four-Corner-Numbering-System" dictionaries.

| Latters | ON CONTRACT | Mustre- Nos Char- asters | .Wade Special | Att. | Approximate English Sounds |
|---------|-------------|--------------------------------|------------------|------|--|
| 8 | « | ¥ | k | k | g as in go, but not voiced |
| k | 7 | # | ĸ | ĸ | c and k as in cake, strongly aspirated |
| • | Æ | 下京品。组。 | × | • | ng as in sing |
| h | ٢ | • | h | .= | h as in her, or rather like ch in Soots lock |
| • | 4 | * | ch (1) | te | A pointel j sound, es in jour |
| • | < | * | 4 (I) | * | A paletal ch, as in check |
| × | T | * | (1) | • | A poletal sh, as in she |
| • | • | * | d | 4 | j or dg as in judge, but not voiced |
| • | 4 | # | ch' | 4" | ch as in church, ,strongly aspirated |
| • | , | * | eh . | 7 | sh as in shore |
| r | | a | J | 4 | r pronounced but not rolled, tend- ing towards the z in asure |
| | 7 | 黄 | te, tz | | de as in seeds, but |
| • | + | * | • | • | to as in tear, strengty aspireted |
| • | | # |), m, == | • | o as in sister |
| j | | | 7 | 1 | y as in you |
| ₩ | × | | - | * | w as in we |

(2) Six vowels:

| Letters | Old Phonoste Symbols | Mustre- tive Char- acters | Wade System | Inter- national Phonotic Symbols | Approximate English Bounds |
|---------|----------------------------|---------------------------------|----------------|---|--|
| • | Y | W | • | •• | a se in cha |
| • | 2 | • | • | •• | ew as in lew |
| • | t | Æ | 4,0 | •• | er as in her (the r being silent) |
| i | ı | * | 1 | 1. | er as in heed |
| • | × | | u | u • | ee as in tee |
| y | u | 提 | 4 | 4. | The French u, no equivalent in English |

(Mole—The sounds of the above six vowels are what they are when they are used as single vowels. In combinations, that is, in diphthengs, their sounds are associated modified, especially in the case of σ which, when followed by ℓ (or ℓ) or y, changes to the English short σ sound.)

Examples:

| Proposed Spelling | Old Pho- nette Symbols | Meaning |
|----------------------|---------------------------|------------------------|
| boba | 474Y | papa |
| mama | חיחי | mema |
| E-E- | *** | elder brother |
| 44 | #151 | younger brother |
| | bete mama gego | pope 4444 1141 4444 |

Article 2. Each vowel may be followed by other vowels or consonants to form the following finals.

| Pinele | Old Phonotic Symbols | Mustre- tive Char- solors | Wade System | Inter- national Physiotic Symbols | Approximate English Brunde |
|------------|----------------------------|---------------------------------|----------------|--|--|
| (1) a: | | | | | |
| al | ₩ | * | a | • | Long i, as in ope |
| 44 | A | * | •• | • | ow as in how |
| 48 | 4 | * | • | - | en as in cen |
| •• | | | - 100 | 49 . | ong as in song |
| e: | | | | 1 | |
| • | * | • | ••• | ••• | o as in note |
| 9 ; | | | | | |
| el | 1 | (The fine) | • | • | ay as in way |
| •• | 4 | | en | •# | un as in fun |
| •8 | . 4 | | âng | of or vs | No exact equivalent in English, some- thing like ung in |
| (2) i: | | | | | sung |
| ia. | 1 Y | Ħ | ia | l la | yeh |
| le le | 1 4 | , ® | jeh | l le | ye as in yes |
| los | -14 | * | lao. | lae | yow as in yowl |
| h | 12 | × | , Sta | ion | us as in unite (in ac- tual speech there is a short glide sound in the mid- |
| | | | * · ; | | die of this diph- thong, so that it comes near to the sound of yee oh) |
| ion | 14 | # + + | ion | itm | e en as in the end |
| in | 14. | | ' ta | in. | een op in heen |
| fal. | 12 | * | iang | leg | yen as in yenkee |
| 19 | 12 | * | | i o | ing us in sing |

| Pinau | Old Phonosic Symbols | Mustre- Nee Char- active | Wade System | Inter- national Phonotic Symbols | તે સમાન કે જારી કરણ જો કેલ્લા હોઇ |
|-------------|----------------------------|--------------------------------|----------------|---|--|
| (8) u: | | | | | |
| us. | YX | * | Wa . |) ; b a | wek |
| ** | Χť | * | 100 | 100 | tos as in water |
| tel | X# | # | vei | WAI | wi as in wife |
| ui | X٦ | 蝶 | ul(uci) | W 1 | wee (in actual speech there is a short glide sound in the middle, so that it comes near to the sound of way) |
| TAB | X4 | # | wen. | ten | 00∪en |
| *** | Хħ | * | *** | 102 | speech it comes near to the sound of one) |
| va ş | X£ | 抚 | unng | tet | oo_ahng |
| ** | XŁ | (The fine) es in "Al") | wing | ug | eo_ng (when used as an independent syllable, it is spelt "weg", and pre- nounced as Eng- lish wung; |
| (4) y: | | | | i | |
| 70 | 8 € | ** | ylick | 70 | No English equiva- lent |
| yaŭ | 4 | * | yten | yan | No English equiva- lent |
| yn | 11 % | # | yila | 700 | No English equiva- |
| 79 | U4 | # | 7 | les | young (the ee as in |

kai 升 (to open) pou 例 (to cut with a knife)

pen 生 (to beget) wie 解 (to untie)

hui 会 (to meet) xye 学 (to learn)

kaihui 开会 (to hold a meeting) viepou 解詞 (to dissect)

xyepen 学生 (a student)

Any of the finals may form a syllable by itself without any preceding consonant or initial. For example:

si 受 (to love) en 思 (favour)
airen 受人 (sweetheart; in modern usage it also means husband or wife)

ou 祭 (lotus root-stock) yan 选 (far, distant)
oufen 稱動 (arrowroot starch) y thyan 永远 (for ever)

The categories (2) and (3) listed above, that is, the sounds beginning with I and u, change I and u into J and w when they form independent syllables without preceding consonants or initials, that is, the two categories then assume the following forms:

| Spelling | 11 | ja | je | jau | Ju | jan | jin | gaţ | jin |
|-------------------------|----|----|-----|-----|-----|-----|-----|------|------|
| Old Phonelie Symbols | 1 | ΙΥ | 1 * | 1 4 | 1 % | 14 | 14 | Ιt | 12 |
| Wade System | yl | ýa | yeh | yao | yu | yen | yin | yang | ying |
| Spelling | ₩u | WA | WO | wai | wei | Wan | wen | WAD | weg |
| Old Phonetic Symbols | × | χχ | χζ | X # | x٦ | X.S | ХY | Х£ | XL |
| Wade System | wu | WA | wo | wai | wel | WAR | wen | wang | weng |

Further examples:

jiwu 义务 (an obligation) jewan 收晚 (evening, night) wenji 文傳 (literature) Article 3. The sound of H (simplified form of H) (a vocalized consonant with the tip of the tongue upturned, represented in the Wade system by ℓrh) is spelt ℓrh when it is a fully pronounced syllable by itself. As an ending of a syllable, it is represented by ℓrh only. Thus,

ertun 兒童 (children) erduo 耳朵 (ear) huar 花兒 (flower)

Article 4 Seven extegories of syllables as represented by the characters 知, 編, 幹, 11, 蚕, 鰈 and 思 take I (an undotted i, like a small capital) as their vowel. They are spelt as \$1, \$1, \$1, \$1, \$1, \$1 and \$1 respectively. For example:

#Isi 知識 (knowledge) zisi 自私 (selfish)

However, when the syllable .s "neutral," that is, unstressed and devoid of a distinct tone, the vowel I is to be left out, thus,

wenzi 文字 (written language; the second syllable being properly accented)

wenz 餃子 (mosquito; the second syllable being neutral)

Article 5. In printing, typewriting or in telegraphy, the letters u, C, C, B, B and I may be replaced by g, zh, ch, sh, ng and i respectively if the proper types are not available.

Article 6. The following tone marks are used when necessary:

If technical difficulties arise in printing or typewriting making it difficult to put the tone marks above the vowels, they may be placed at the upper right corner of each syllable. In fully-marked texts, the first tone may be left unmarked.

Article 7. For syllables liable to run into each other and cause confusion, the dividing sign " !" is used. For example:

pi'au 皮膚 (fur coat—two syllables); but piau 課 (to float—one syllable).

The same of the sa

APPENDIX F

已推行的簡化汉字表

(-)

中国文字改革委員会根据国务院在1956年1月28日决職 公布的"汉字简化方案",到目前为止,已先后正式推行了四批简 化汉字,共胜至7个字。为了便于蒙者惊查,特把四批简体字综 合孤成这个表。这个表是按字母次序排列的。括弧显面的字是 繁体字。

A

受(受) 導(嶺) 祆(槙)

В

嬰(義) 舞(撰稿) 办(耕) 板(関) 帮(常) 室(寮) 报(報)

各[傳] 笔[筆] 边[邊] 变[變] 标[標] 浚[襲] 別[警]

実(實) ト(菌) 补(補) 币(幣) 华(皋) 柴(斃)

C

才(義) 参(参) 参(營) 荟(蟹) 辞(群) 从(從) 聪(聪)

从(業) 常(室) 仓(倉) 爲(局)

产(金) 类(物) 类(微) 厂(液) 除(隙) 教(帮) 活(胎)

迟[編] 齿(歯) 冲[舞] 虫[蟲] 丑[酰] 筹[罄] 处意]

強(獨) 出(動) 聯(礎) 疫(膏) 会(為) 例(做) 換換)

```
协(論) 馀(益) 尘(嘉) 材(複) 长(長)
                D
达(建) 带(带) 担(槽) 阻(槽) 当(常情) 档(槽) 党(黨)
导(導) 灯(差) 邓(郵) 象(敵) 淀(囊) 点(點) 电(電)
益(墊) 冬(夢) 东(東) 冻(凍) 袮(糠) 泑(粉) 斗(門)
微(獨) 斯(斯) 对(黄) 队(欧) 吨(噸) 夺(零) 单(草)
条[雜] 遊[鑑] 堕[豐]
                B
东(爾) 儿(鬼)
花(龍) 矾(葉) 飞(菜) 杏(香) 粪(粪) 犮(墳) 平(畳)
妇(婚) 友(復復是) 扶(教) 炎(養髮) 凤(鳳) 肤(肩)
                G
善[董] 平[幹乾] 赶[趣] 个[個] 巩[章] 沟[排] 构[精]
谷(数) 尚(麗) 关(蘭) 鸡(粮) 广(庚) 归(歸) 龟(蟲)
社(強) 国(麗) 駒(麟) 順(麗) 枢(權)
                H
汉(漢) 号(號) 后(後) 护(箧) 臺(畫) 护(属) 岡(晝)
划(劃) 华(孝) 怀(懷) 杯(裳) 欢(敷) 环(囊) 还(羞)
会(會) 孝(徽) 伙(夢) 获(菱穫) ℃(鱖素) 哀(薬)
                J
凡(美) 机(橋) 古(章) 际(際) 利(州) 济(済) 挤(务)
积(荷) 宗(体) 价(何) 兴(夾) 艰(囊) 荐(萬) 坠(匙)
歼(粮) 监(盟) 茧(繭) 姜(宝) 将(將) 美(美) 浆(姜)
```

.

業[發] 沓(蓍) 胶(廖) 僧(萧) 阶(階) 节(節) 尽(金億) 紧[緊] 仅[僅] 进[進] 惊[驚] 竟[競] 旧[舊] 举[舉] 閣(劇) 据(據) 惧(權) 孝(捨) 覚(覺) 飢(藥) 鸡(藥) 极(基) 堆(鞋) 疗(瘤) 治(療) 泉(崖) 鉴(宴) 抹(棟) 界(量) 讲(牌) K 升(開) 克(姐) 星(盤) 星(盤) 专(詩) 矿(碳) 亏(虧) 团(窗) 扩(镀) 块(塊) \mathbf{L} 腊(臘) 来(來) 兰(輔) 控(欄) 栏(欄) 烂(燗) 麥(勞) 捞(旁) 妖(桊) 类(鰲) 累(纍) 里(裏) 礼(禮) 丽(麗) 房(属) 扇(雕) 离(離) 房(層腰) 浆(禁) 例(個) 幣(離) 蟾(蟾) 娄(婁) 桑(墨) 炼(燎) 练(辣) 精(輔) 卢(盧) 声[度] 泸[渡] 芦[蔗] 炉[爐] 馿[驢] 联[聯] 恋[卷] **怜[俳] 検[橙] 两[雨] 了[睞] 疗[療] 辽[遼] 猎[蚕]** 临[陈] 邻[郷] 哭[靈] 於[齡] 於[微] 刘[劉] [湖[劉] 於[雜] 被[後] 录[錄] 陷[陵] 虏[房] 卤[鹵補]乱[氟] 罗[温唱] 展[展] 忠[成] 油[減] M 近[選] 买[買] 类[賣] 麦[麥] 麥[豐] 么[麼] 等[體] 蒙(療像瞳) 梦(多) 张(飘瀾) 晉(極) 庙(康) 灭(誠) 萬(雄) 亩(献) N 难[雜] 論[循] 論[曆] 拟[擬] 宁[寧] 次[農] 领[舜] 蒙(護)

欧(歌)

P

盘〔盤〕 辟〔蠲〕 萃〔藏〕 朴〔横〕 扑〔横〕 笼〔憑〕

Q

齐(青) 气(氣) 千(韓) 迁(邊) 签(簽籤) 奉(孝) 堵(着)

蓄(蓄) 乔(喬) 侨(倩) 桥(橋) 壳(殼) 垮(竅) 窃(鸋)

亲〔觏〕 寝〔瘊〕 庆〔慶〕 劳〔翦〕 秋〔鞦〕 区〔區〕 商「热〕

权[權] 劝[勸] 确[確] 启[啓] 岂[登] 枪[槍] 琐[瓊]

R

扰(援) 热(熱) 荣(荣) 趾(麓) 以(認)

8

酒(漢) 今(傘) 丧(喪) 扫(排) 音(音) 敬(數) 脑(随)

岁(歳) 松(鬆) 苏(蘇曠) 粛(肅) 孙(孫) 虽(雖)

Sh

杀〔殺〕 暇〔喊〕 伤(傷) 合(拾) 沈(渚) 审(客) 渗(渗)

声(聲) 胜(勝) 湿(濕) 适(適) 时(時) 实(實) 势(勢)

%[師] 寿[書] 善[歌] 术[術] 材[樹] 帰[帥] 双[雙]

抵[類] 绳[繩] 圣[畫] 书[書]

T

态(旅) 台(臺植戦) 搾(攤) 淖(灘) 痚(療) 舎(胯)

体(體) 条(條) 鉄(鐵) 听(聯) 厅(廳) 头(頁) 闭(圖楷)

坛(塘崎) 収(噴) 巣(難) 图(圓)

W

袜(複) 洼(鉴) 万(萬) 考(考) 为(爲) 伪(儒) 卷(穩) **务(務) 恶(暴隱) 元(無) 擧(霧) 韦(丸) 卫(術) 网(桐)** X 智[後] 系[係繁] 戏[歳] 吓[嚇] 虾[蝦] 献[獻] 咸[轍] 显(顯) 鬼(憲) 县(縣) 向(曹) 响(響) 乡(鄉) 协(協) 写[寫] 脉[青] 冯[瀉] 蚛[景] 兴[典] 选[選] 旋[機] 最(縣) 学(學) 寻(韓) 逊(诞) 习(智) 賽(賽) Y 压(壓) 卷(鹽) 严(嚴) 盐(鹽) 养(養) 痒(癢) 样(樣) 阳[陽] 叶[業] 爷[爺] 业(業) 医[醫) 义(義) 仪(儀) 艺(書) 亿(像) 忆(像) 隐(器) 閉(陰) 唱(蠟) 应(廳) 告(善) 优(優) 犹(着) 邮(郵) 亚(亚) 聖(亞) 克(堯) 例(論) 药(藥) 忧(憂) 厌(厭) Y 拥(接) 佣(信) 踊(題) 余(餘) 御(梨) 吁(衞) 郁(鬱) 与(臭) 誉(春) 屿(嗅) 远(建) 圀(圓) 跃(麗) 云(鹭) 运(運) 聚(瞳) 索(癖) \mathbf{z} | 染(雑) | 灶(竃) | 枣(棗) | 总(韓) | 嵌(鑿) | 舷(戦) | 钻(戦) 纵(維)

Zh

者(者) 战(戰) 毡(氈) 赵(趙) 这(建) 折(槽) 征(教) 星(療) 証(證) 郑(鄭) 只(貳隻) 朳(轅) 取(棗) 致(最) 制(製) 执(執) 滞(滞) 种(種) 众(来) 朱(硃) 筑(藥) 烛(燭) 庄(莊) 壮(壯) 装(装) 故(散粧) 状(狀) 准(準) 质(質) 昼(查) 专(專) 独(獨) 桩(椿) 钟(蟾蜍) 胂(臘)

(二)

"汉字簡化方案"中的簡化偏旁,在手写、抽印、胶印上通用已. 久,在鉛印的出版物上,将模據字模划制情况,階模推行,不再分 批公布。这个表單有54个簡化偏旁,接版偏旁的笔面簡繁排列 先后。括弧里边的是原来的偏旁。简化偏旁有*符号的,一般只 作为左偏旁用;沒有*符号的偏旁,不論在一个汉字的任何部位, 一般都可以使用。

| | حسم مسا | حسام سا | 1 |
|--------------|----------------|---------|--------------|
| 多"〔来〕 | 书 (章) | 产〔直〕 | 金 〔食〕 |
| 见〔見〕 | 页〔頁〕 | 李〔奪〕 | 农 〔農〕 |
| 讣*〔當〕 | 风(風) | 发 〔登〕 | 笑 〔篑〕 |
| 贝〔貝〕 | * * (食) | 英 (單) | 齐〔膏〕 |
| 车〔車〕 | 为 (長) | 几〔幾〕 | 寿〔書〕 |
| 至 (坐) | 员 (前) | 乔〔喬〕 | (堂) 堂 |
| 筝*〔金〕 | 马 (馬) | 只〔微〕 | 朴 (陰) |
| 长〔長〕 | 刍 〔务〕 | 尧 〔蹇〕 | (章) 齿 |
| 门 (門) | 第〔師〕 | 当〔當〕 | 类〔實〕 |
| 东〔東〕 | 井 (本) | 条 (零) | 龙〔龍〕 |
| 仑 〔龠〕 | 鱼〔魚〕 | 会〔會〕 | 罗(羅) |
| 冈 〔阅〕 | 乌 (鳥) | 疳 〔凊〕 | 亦 (祭) |
| 戋〔隻〕 | 娄 〔婁〕 | 义〔義〕 | |
| 収 (数) | 区(版) | 光 (耳) | |